
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Wong et al.

Attorney Docket No.: DGMMP001C3

Application No.: NEW

Examiner: UNASSIGNED

Filed: HEREWITH

Group: UNASSIGNED

Title: PAGING METHOD AND APPARATUS

PRELIMINARY AMENDMENT

Box Patent Application
Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

In order to place the above-identified application in better condition for examination, please amend the application as follows:

IN THE SPECIFICATION:

Page 1, after the Title of the invention, please insert -- This is a continuation of Application No. 09/594,662 filed on June 15, 2000, which is a Continuation of 08/264,973, filed June 24, 1994, now U.S. Patent No. 5,542,115, issued July 30, 1996, entitled "PAGING METHOD AND APPARATUS", naming Wong et al. as inventors. - -

Page 1, before the Background Section, please insert the following text --

RELATED APPLICATION DATA

The present application also relates to a number of commonly assigned, copending U.S. patent applications, including U.S. Patent Application No. 09/594,662, filed on June 15, 2000, U.S. Patent Application No. 08/609,976, filed on February 29, 1996, now U.S. Patent No. 5,689,807, issued November 18, 1997, entitled "PAGING METHOD AND APPARATUS", naming Wong et al. as inventors; U.S. Patent Application No. 08/608,629, filed on

February 29, 1996, now U.S. Patent No. 5,729,827, issued March 17, 1998 entitled "PAGER WITH STATION SWITCH REQUEST", naming Wong et al. as inventors; U.S. Patent Application No. 08/609,978, filed on February 29, 1996, now U.S. Patent No. 5,613,212, issued March 18, 1997 entitled "PAGING METHOD AND APPARATUS", naming Wong et al. as inventors; and U.S. Patent Application No. 09/259,417, filed on December 9, 1997, entitled "PAGING METHOD AND APPARATUS", naming Wong et al. as inventors. Each of the disclosures of these applications is incorporated herein by reference in its entirety for all purposes. --

In the Claims:

Please cancel claims 1-26.

Please add the following new claims 27-45:

--27. A method of communicating data in a data communication system, the data communication system including a communication controller and a plurality of nodes, the method comprising:

transmitting a first signal from the communication controller to at least one network node including a first node, the first signal including information relating to a specific timeslot in which the first node may transmit a first request signal to the communication controller;

when the first node has data to transmit, and upon receipt of the first signal, transmitting the first request signal from the first node to the communication controller, said first request signal including a request for a first portion of bandwidth to be allocated to the first node for transmitting data from the first node to the communication controller;

in response to the first request signal, transmitting a second signal from the communication controller to the first node, said second signal including information specifying at least one timeslot allocated to the first node for transmitting data to the communication controller; and

in response to receiving the second signal, transmitting data from the first node to the communication controller.

28. The method of claim 27 further comprising transmitting data from the first node to the communication controller at a timeslot specified by the second signal.

29. The method of claim 27, wherein the first request signal is a time slotted signal carried on a predetermined frequency.

30. The method of claim 27, wherein said first request signal and said data are transmitted to the communication controller via a first channel, and wherein the second signal and the first signal are transmitted to the first node via a second channel.

31. The method of claim 30, wherein the first channel is a time-slotted channel carried on a first frequency, and wherein the second channel is a time-slotted channel carried on a second frequency.

32. The method of claim 27 wherein said system is a pager system, wherein said communication controller comprises a base station, and wherein said first node is a pager device.

33. A computer program product comprising a computer usable medium having computer readable code embodied therein, the computer readable code comprising computer code for implementing the method of claim 27.

34. A communication controller in a data network, the data network including a plurality of nodes, the communication controller comprising:

at least one CPU;

memory; and

at least one interface for communicating with the plurality of nodes;

the communication controller being configured or designed to transmit a first signal from the communication controller to at least one network node including a first node, the first signal including information relating to a specific timeslot in which the first node may transmit a first request signal to the communication controller;

the communication controller being further configured or designed to receive a first request signal from the first node, said first request signal being transmitted by the first node in response to the first signal, said first request signal including a request for a portion of bandwidth to be allocated to the first node for transmitting data from the first node to the communication controller;

the communication controller being further configured or designed to allocate, in response to the first request signal, at least one timeslot on a first channel to the first node for transmitting said data;

the communication controller being further configured or designed to transmit a second signal to the first node, said second signal including information specifying the at least one timeslot allocated to the first node for transmitting data to the communication controller via the first channel; and

the communication controller being further configured or designed to receive data from the first node via said first channel, the data being transmitted from the first node in response to the first node receiving the second signal.

35. The communication controller of claim 34 wherein the data is transmitted from the first node at a timeslot specified by the second signal.

36. The communication controller of claim 34, wherein the first request signal is a time slotted signal carried on a predetermined frequency.

37. The communication controller of claim 34, wherein said first request signal and said data are transmitted to the communication controller via the first channel, and wherein the second signal and the first signal are transmitted to the first node via a second channel.

38. The communication controller of claim 37, wherein the first channel is a time-slotted channel carried on a first frequency, and wherein the second channel is a time-slotted channel carried on a second frequency.

39. The communication controller of claim 34 wherein said system is a pager system, wherein said communication controller comprises a base station, and wherein said first node is a pager device.

40. A network node in a data network, the data network including a communication controller and a plurality of nodes, the network node comprising:

at least one processor;

memory; and

at least one interface for communicating with the communication controller;

the network node being configured or designed to receive a first signal from the communication controller, the first signal including information relating to a specific timeslot in which the first node may transmit a first request signal to the communication controller;

the network node being further configured or designed to transmit, in response to the first signal, a first request signal to the communication controller, said first request signal including a request for a portion of bandwidth to be allocated to the first node for transmitting data from the first node to the communication controller;

the network node being further configured or designed to receive a second signal from the first node, said second signal including information specifying the at least one timeslot allocated to the first node for transmitting data to the communication controller via the first channel; and

the network node being further configured or designed to transmit, in response to the second signal, data to the communication controller via said first channel.

41. The network node of claim 40 wherein the data is transmitted from the first node at a timeslot specified by the second signal.

42. The network node of claim 40, wherein the first request signal is a time slotted signal carried on a predetermined frequency.

43. The network node of claim 40, wherein said first request signal and said data are transmitted to the network node via the first channel, and wherein the second signal and the first signal are transmitted to the first node via a second channel.

44. The network node of claim 43, wherein the first channel is a time-slotted channel carried on a first frequency, and wherein the second channel is a time-slotted channel carried on a second frequency.

45. The network node of claim 40 wherein said system is a pager system, wherein said communication controller comprises a base station, and wherein said first node is a pager device.--

REMARKS

Claims 1-26 have been cancelled from the present application, and claims 27-45 have been substituted therefore.

The specification has been amended to claim priority to the parent application, and has further been amended to describe related application data. No new matter has been added.

The examiner is invited to telephone the undersigned attorney if any matters remain which could benefit from such a conversation.

Respectfully submitted,
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